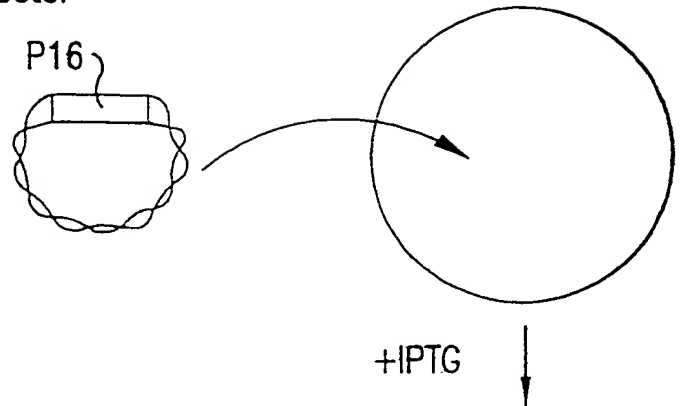
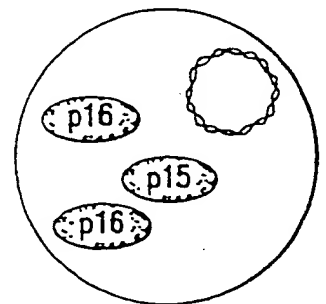


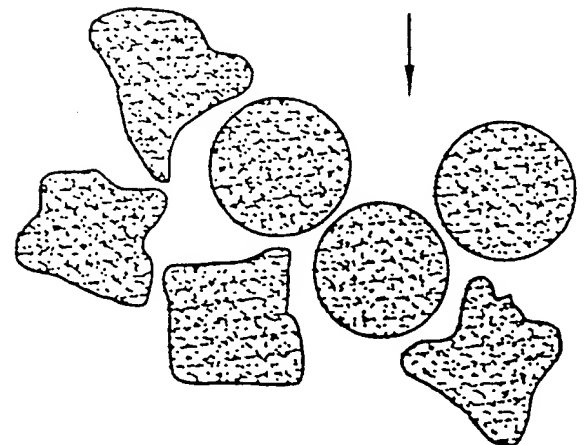
1 Introduce P16 expression vector  
into cells



2 Induce p16 expression



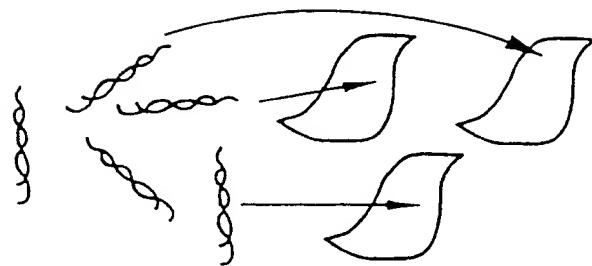
3 Select growth-proficient  
revertants



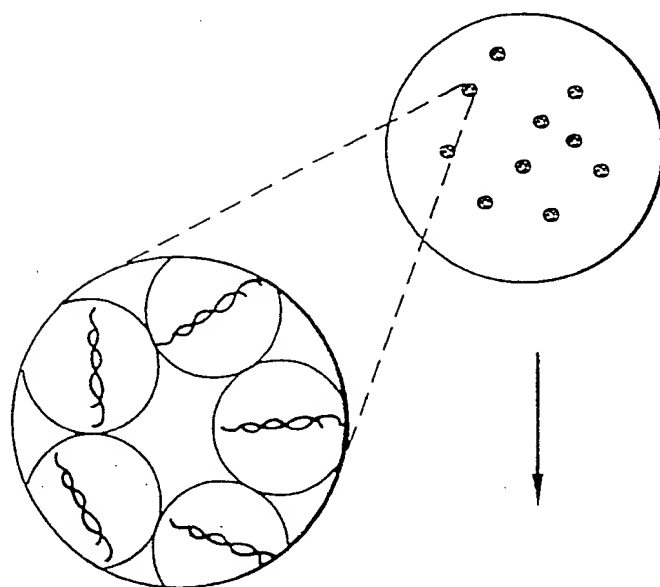
4 Characterize genetic  
changes

FIG.1

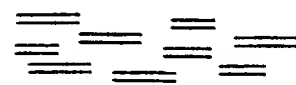
1 Introduce perturbagen library  
into cells



2 Select growth-proficient  
revertants



3 PCR amplify resident  
perturbagens



4 Determine perturbagen  
DNA sequence

AGGCAACAGCTACC...

FIG.2A

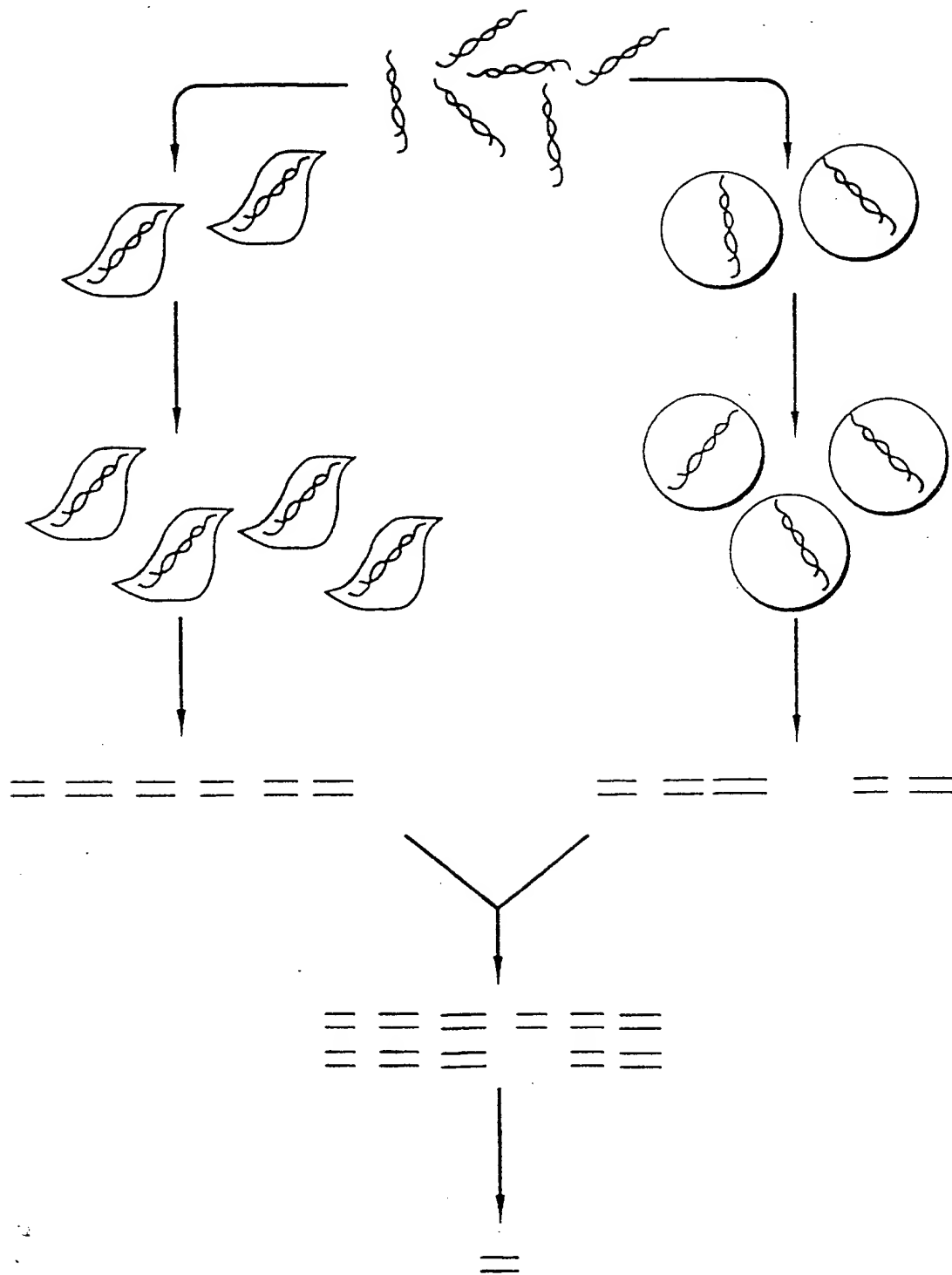


FIG.2B

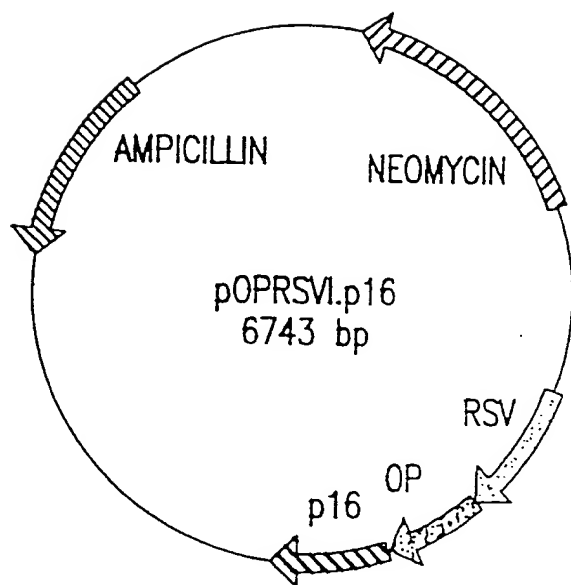


FIG.3A

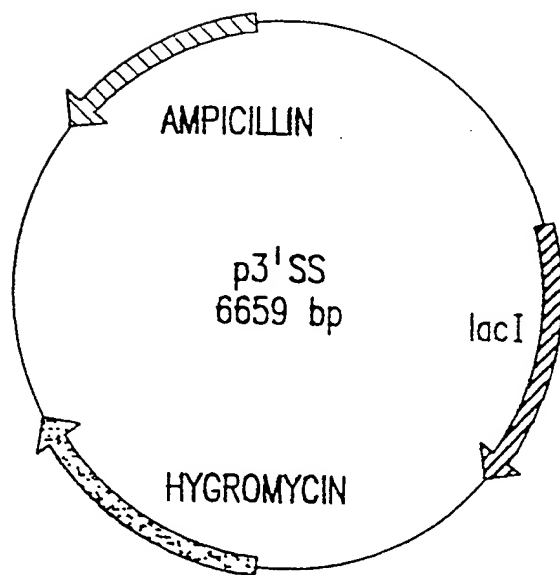


FIG.3B



rev1

2

3

4

5

6

pOP/p16+

pOP

5637 (Rb-)

FIG.4

rev1

2

3

4

5

6

5637 (Rb-)

T24 (Rb+)

FIG.5

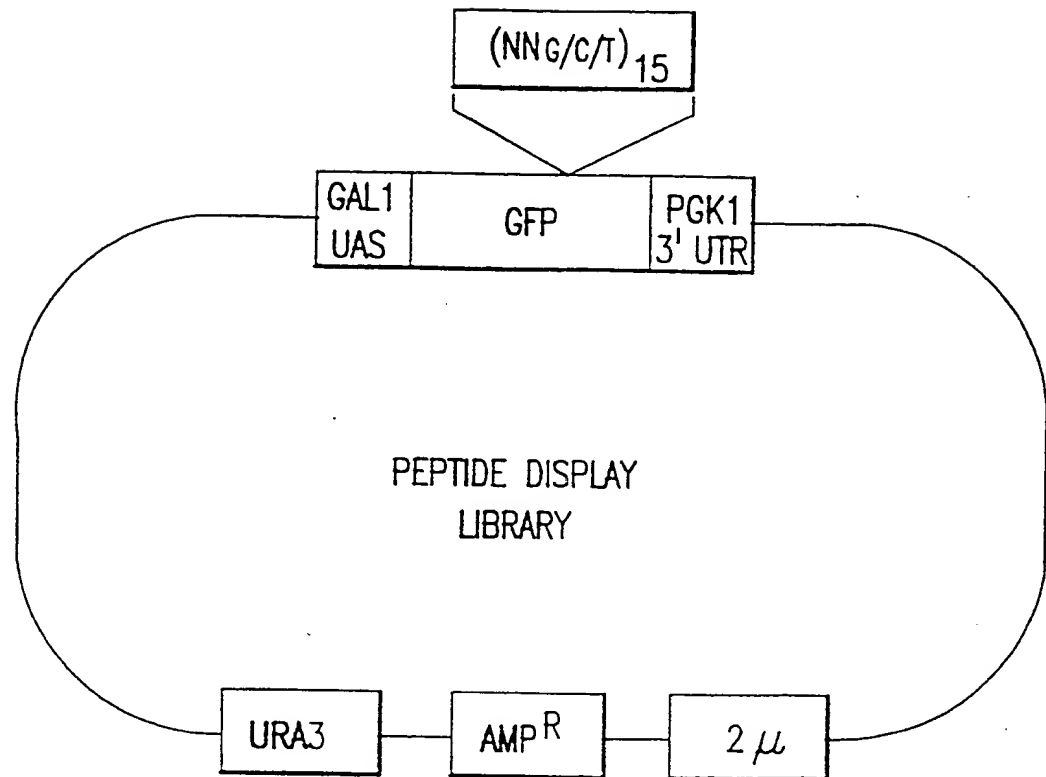


FIG.6A

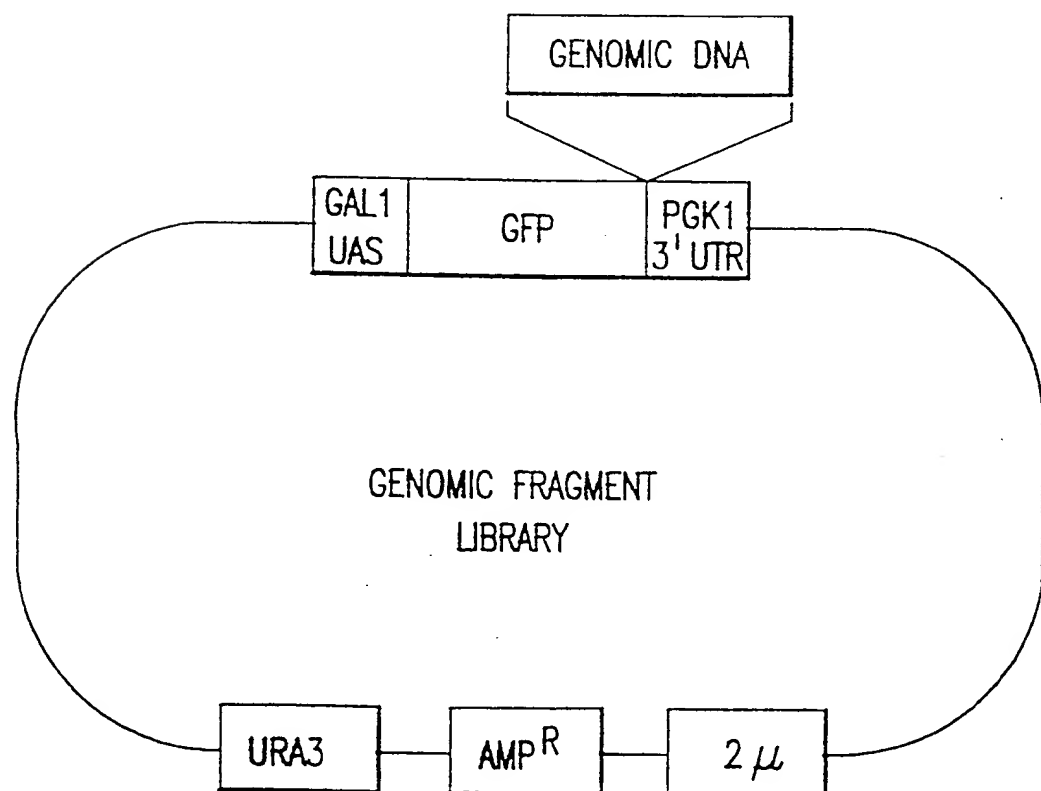
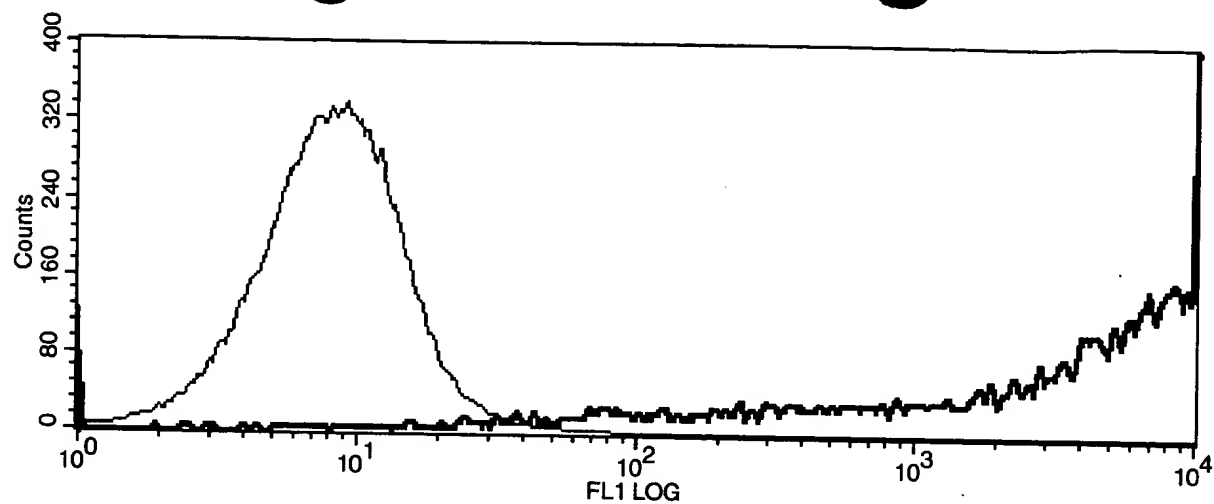
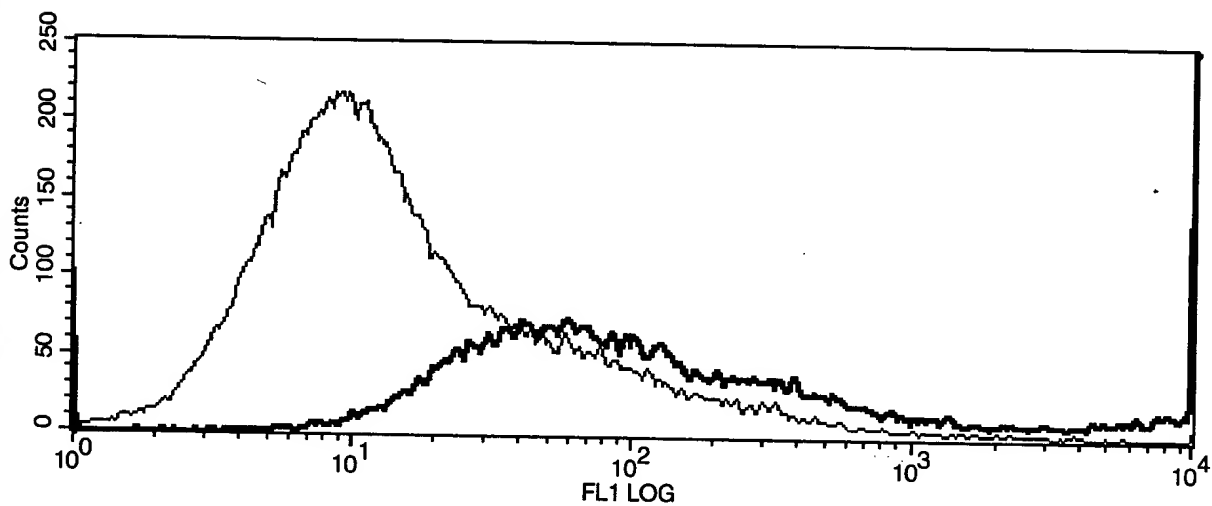


FIG.6B



Key

- 293R cells uninfected
- 293 cells infected



Key

- 293R cells infected
- 293R/293 at 1/100 infected

FIGURE 7